

In the Claims:

Kindly rewrite claims 1 and 4-5 and add new claim 7 as follows:

1. (Amended) An imaging lidar comprising:
a pulsed laser for generating at a pulse rate a [line scan] sequence of light beam pulses each having
a pulse width;
a spatial discriminator coupled to the pulsed laser for steering the light beam pulse sequence in a
plurality of line scans describing [to illuminate] an area surrounding a target, each said line scan including
a plurality of said light beam pulses;
a photomultiplier tube for detecting energy from said light beam pulses scattered by said target and
for generating an output signal representative of said scattered light beam pulse[s] energy;
an image acquisition controller coupled to said pulsed laser and to said photomultiplier tube for
selecting said pulse width and said pulse rate of said light beam pulses and for generating a display signal
from said output signal of said photomultiplier tube;
and a display coupled to said controller for generating an image from said display signal
representative of said target.

4. (Amended) The imaging lidar of claim 1 wherein said pulse rate is [about 700 KHZ]
greater than 600 KHz.

5. (Amended) The imaging lidar of claim 1 wherein said controller includes a temporal
discriminator for gating [gates] said output signal from said photomultiplier tube to select a range interval
that includes said target.

7. (New) The imaging lidar of claim 1 wherein said image includes no more than one pixel
representing each of said light beam pulses.

REMARKS

General

Inventor Richard Scheps is referred to herein as "Applicant".

U.S. Patent 5,822,047 issued on October 13, 1998 to Contarino, et al is referred to herein as
"Contarino".